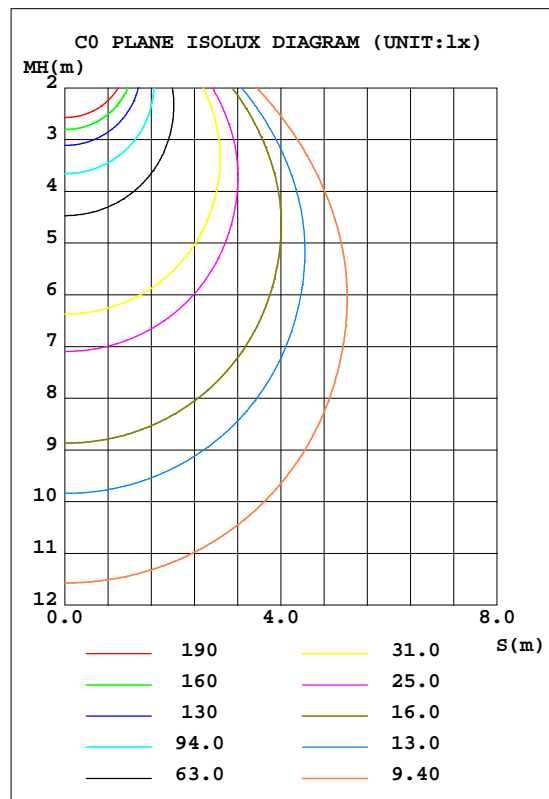
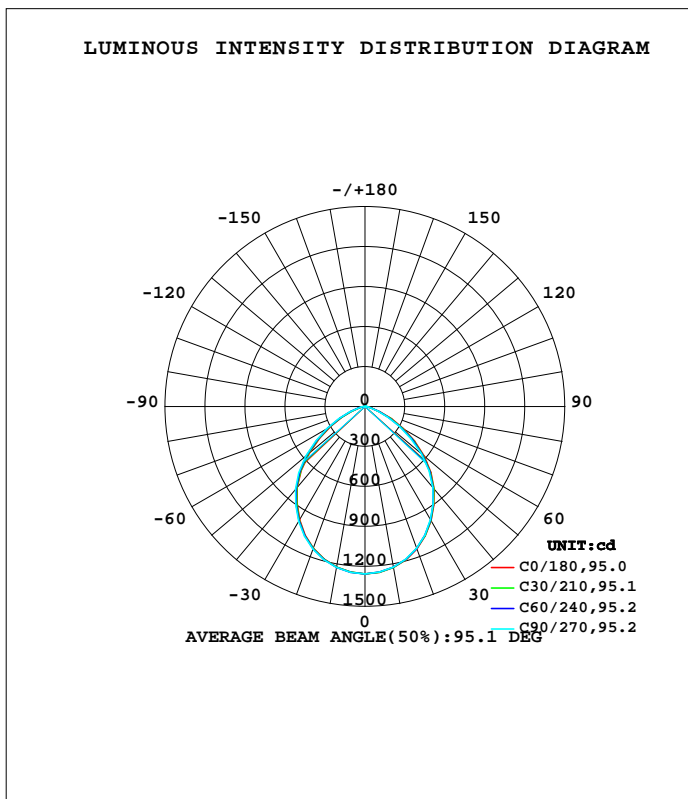


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.82 lm/W
MODEL	ASD-CDL5-8AD30AC	I <sub>max</sub> (cd)	1256	S/MH(C0/180)	1.17	
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.19	
RATED VOLTAGE(V)	100-277	TOTAL FLUX(lm)	2736.9	h UP, DN(C0-180)	0.5, 49.1	
NOMINAL FLUX(lm)	2736.88	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.4, 50.0	
LAMPS INSIDE	1	h up(%)	0.9	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120.0	h down(%)	99.1	CIBSE SHR MAX	1.30	



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: L  
 Test Date: 2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.1063]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

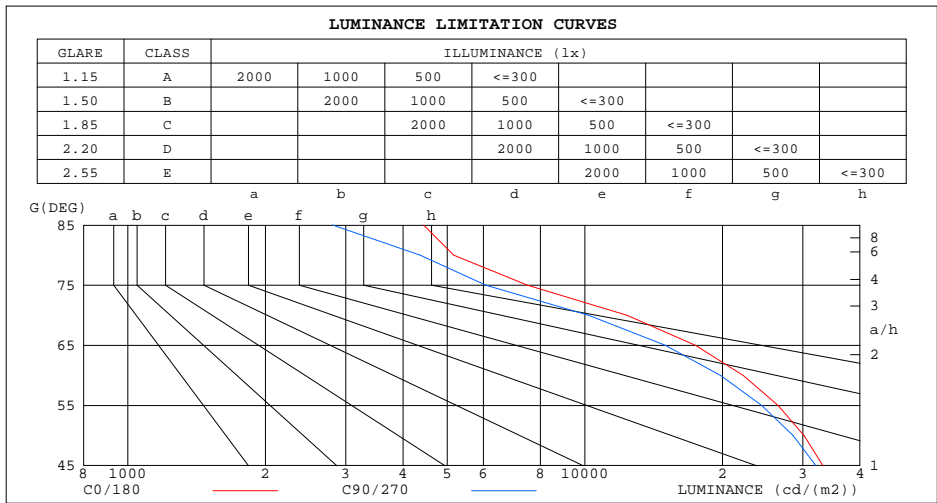
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1227	1226	1224	1224	1224	1225	1228	1228	0- 10	118.4	118.4	4.33,4.33
20	1139	1136	1133	1133	1133	1136	1140	1140	10- 20	334.8	453.2	16.6,16.6
30	993.2	988.6	983.6	983.7	982.9	988.0	995.8	994.7	20- 30	491.7	944.9	34.5,34.5
40	808.5	802.6	794.0	792.1	791.7	800.0	810.5	810.2	30- 40	561.2	1506	55,55
50	580.5	569.9	551.6	544.9	546.4	563.1	581.1	583.1	40- 50	529.8	2036	74.4,74.4
60	332.7	320.5	297.3	292.0	296.3	310.0	331.3	333.3	50- 60	391.2	2427	88.7,88.7
70	126.7	116.3	104.7	103.9	107.4	114.1	124.8	127.7	60- 70	207.5	2635	96.3,96.3
80	26.83	25.16	22.71	23.43	24.14	25.40	26.82	27.42	70- 80	65.10	2700	98.6,98.6
90	0.7677	0.7555	0.7798	0.7949	0.6660	0.6396	0.5907	0.5855	80- 90	12.53	2712	99.1,99.1
100	1.445	1.511	1.571	1.579	1.376	1.316	1.259	1.241	90-100	1.122	2713	99.1,99.1
110	2.479	2.525	2.613	2.605	2.355	2.286	2.229	2.200	100-110	2.003	2715	99.2,99.2
120	3.694	3.726	3.826	3.802	3.515	3.432	3.371	3.353	110-120	2.965	2718	99.3,99.3
130	4.904	4.933	5.023	4.988	4.676	4.595	4.552	4.528	120-130	3.741	2722	99.5,99.5
140	6.048	6.046	6.165	6.075	5.759	5.642	5.655	5.604	130-140	4.113	2726	99.6,99.6
150	7.104	7.121	7.241	7.139	6.809	6.744	6.725	6.707	140-150	4.014	2730	99.8,99.8
160	8.105	8.184	8.228	8.138	7.870	7.863	7.839	7.871	150-160	3.450	2734	99.9,99.9
170	8.946	8.988	9.028	8.949	8.777	8.756	8.798	8.804	160-170	2.389	2736	100,100
180	9.310	9.368	9.305	9.356	9.321	9.368	9.299	9.356	170-180	0.8673	2737	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:L  
 Test Date:2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4436	2807
80	5162	4357
75	7500	6083
70	12375	10194
65	17487	15021
60	22232	19805
55	26492	24401
50	30177	28585
45	33179	32043

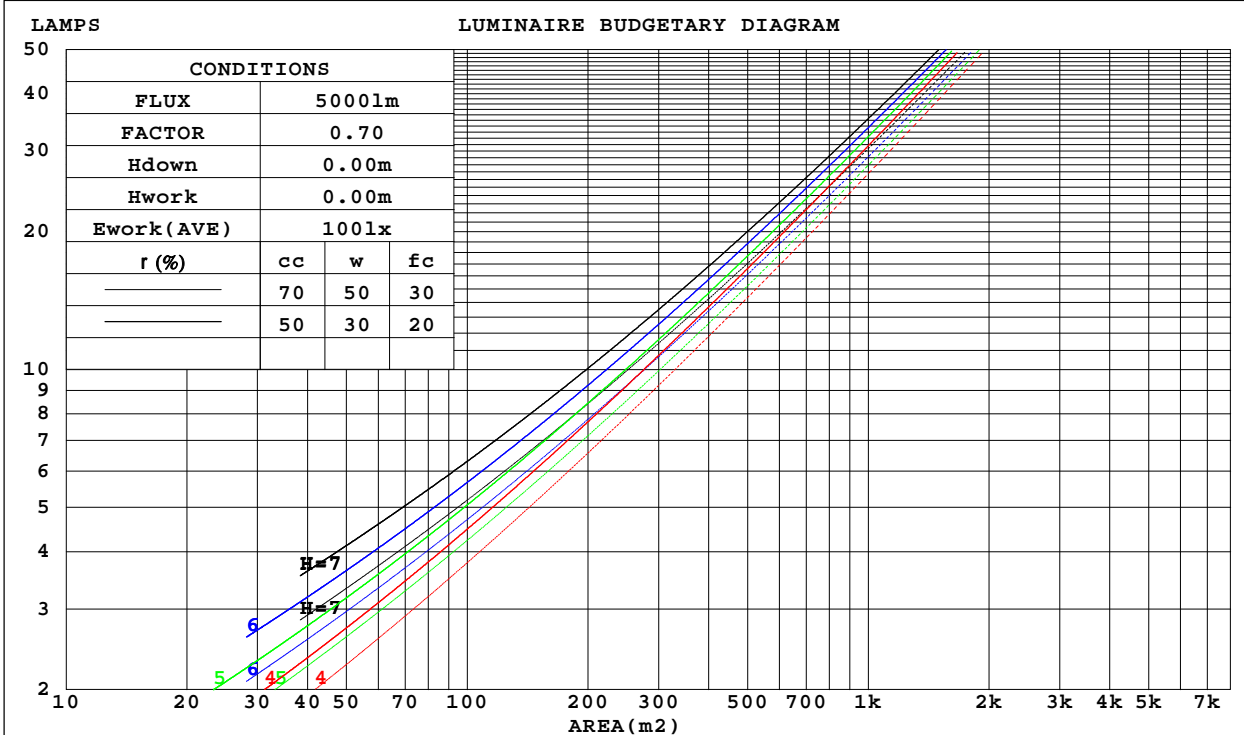
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:L  
 Test Date:2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.07	1.03	.90	1.04	1.01	.98	.90	.97	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.95	.89	.84	.93	.88	.83	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.85	.77	.72	.83	.76	.71	.80	.74	.70	.77	.72	.68	.75	.71	.67	.65
4.0	.76	.68	.62	.75	.67	.62	.72	.66	.61	.70	.64	.60	.67	.63	.59	.57
5.0	.68	.60	.54	.67	.60	.54	.65	.58	.53	.63	.57	.53	.61	.56	.52	.50
6.0	.62	.54	.48	.61	.53	.48	.59	.52	.47	.58	.51	.47	.56	.51	.46	.44
7.0	.57	.48	.43	.56	.48	.43	.54	.47	.42	.53	.47	.42	.51	.46	.42	.40
8.0	.52	.44	.38	.51	.44	.38	.50	.43	.38	.49	.42	.38	.47	.42	.38	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.32
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.41	.35	.31	.30



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:L  
 Test Date:2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

WEC AND CCEC

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.255	.145	.046	.248	.141	.045	.234	.134	.043	.222	.128	.041	.211	.122	.039	
2.0	.248	.136	.042	.242	.133	.041	.230	.128	.040	.219	.123	.038	.209	.118	.037	
3.0	.235	.125	.037	.230	.123	.037	.219	.119	.036	.210	.115	.035	.201	.111	.034	
4.0	.221	.115	.034	.216	.113	.033	.207	.110	.033	.199	.107	.032	.191	.104	.032	
5.0	.208	.106	.031	.203	.104	.030	.195	.102	.030	.188	.099	.029	.180	.096	.029	
6.0	.195	.098	.028	.191	.097	.028	.184	.094	.027	.177	.092	.027	.171	.090	.027	
7.0	.183	.091	.026	.180	.090	.026	.173	.088	.025	.167	.086	.025	.161	.084	.025	
8.0	.173	.084	.024	.170	.083	.024	.164	.082	.023	.158	.080	.023	.153	.079	.023	
9.0	.163	.079	.022	.160	.078	.022	.155	.077	.022	.150	.075	.021	.145	.074	.021	
10.0	.154	.074	.021	.152	.073	.020	.147	.072	.020	.142	.071	.020	.138	.069	.020	

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.197	.197	.197	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.183	.164	.146	.157	.140	.125	.107	.097	.087	.062	.056	.050	.020	.018	.016	
2.0	.173	.139	.110	.148	.120	.095	.102	.083	.066	.059	.048	.039	.019	.016	.013	
3.0	.165	.121	.086	.141	.104	.075	.097	.073	.052	.056	.042	.031	.018	.014	.010	
4.0	.157	.107	.070	.135	.093	.060	.093	.065	.043	.054	.038	.025	.017	.012	.008	
5.0	.150	.097	.058	.129	.084	.050	.089	.058	.035	.051	.034	.021	.017	.011	.007	
6.0	.143	.088	.049	.123	.076	.043	.085	.053	.030	.049	.031	.018	.016	.010	.006	
7.0	.137	.081	.042	.118	.070	.037	.081	.049	.026	.047	.029	.016	.015	.010	.005	
8.0	.131	.075	.037	.112	.065	.033	.078	.046	.023	.045	.027	.014	.015	.009	.005	
9.0	.125	.070	.034	.108	.061	.029	.075	.043	.021	.043	.025	.012	.014	.008	.004	
10.0	.120	.066	.031	.103	.058	.027	.072	.040	.019	.042	.024	.011	.014	.008	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:L  
 Test Date:2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm										
NAME: LED DOWN LIGHT					TYPE: DOWN LIGHT			WEIGHT:		
SPEC.: 5000K 30W					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.: 0.175*0.175			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	22.9	24.3	23.2	24.7	25.0	22.2	23.6	22.6	24.0	24.3
3H	23.6	24.9	24.0	25.3	25.6	22.8	24.1	23.2	24.5	24.9
4H	23.7	24.9	24.1	25.3	25.7	22.9	24.1	23.3	24.5	24.9
6H	23.7	24.9	24.2	25.2	25.7	22.9	24.0	23.3	24.4	24.8
8H	23.7	24.8	24.2	25.2	25.6	22.9	24.0	23.3	24.4	24.8
12H	23.7	24.7	24.2	25.1	25.6	22.9	23.9	23.3	24.3	24.7
4H 2H	23.1	24.3	23.5	24.7	25.1	22.4	23.7	22.9	24.0	24.4
3H	24.0	25.0	24.4	25.4	25.8	23.2	24.2	23.6	24.6	25.0
4H	24.1	25.0	24.6	25.5	25.9	23.3	24.2	23.7	24.6	25.1
6H	24.2	25.0	24.7	25.4	25.9	23.3	24.1	23.8	24.6	25.1
8H	24.2	24.9	24.7	25.4	25.8	23.3	24.1	23.8	24.5	25.0
12H	24.2	24.8	24.7	25.3	25.8	23.3	24.0	23.8	24.5	24.9
8H 4H	24.1	24.8	24.6	25.3	25.8	23.3	24.0	23.8	24.5	25.0
6H	24.2	24.8	24.7	25.3	25.8	23.3	23.9	23.9	24.4	24.9
8H	24.2	24.7	24.7	25.2	25.8	23.3	23.9	23.9	24.4	24.9
12H	24.2	24.7	24.7	25.2	25.8	23.3	23.8	23.9	24.3	24.9
12H 4H	24.1	24.7	24.6	25.2	25.7	23.3	23.9	23.8	24.4	24.9
6H	24.1	24.7	24.7	25.2	25.7	23.3	23.9	23.9	24.3	24.9
8H	24.2	24.6	24.7	25.1	25.7	23.3	23.8	23.9	24.3	24.9
CIE190: 2010										

CIE190: 2010  
Area: 0.03 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:L  
Test Date:2020-03-21

g Range: 0 - 180DEG  
g Interval: 5.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
Humidity:65.0%  
Test Distance:8.000m [K=1.1063]  
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

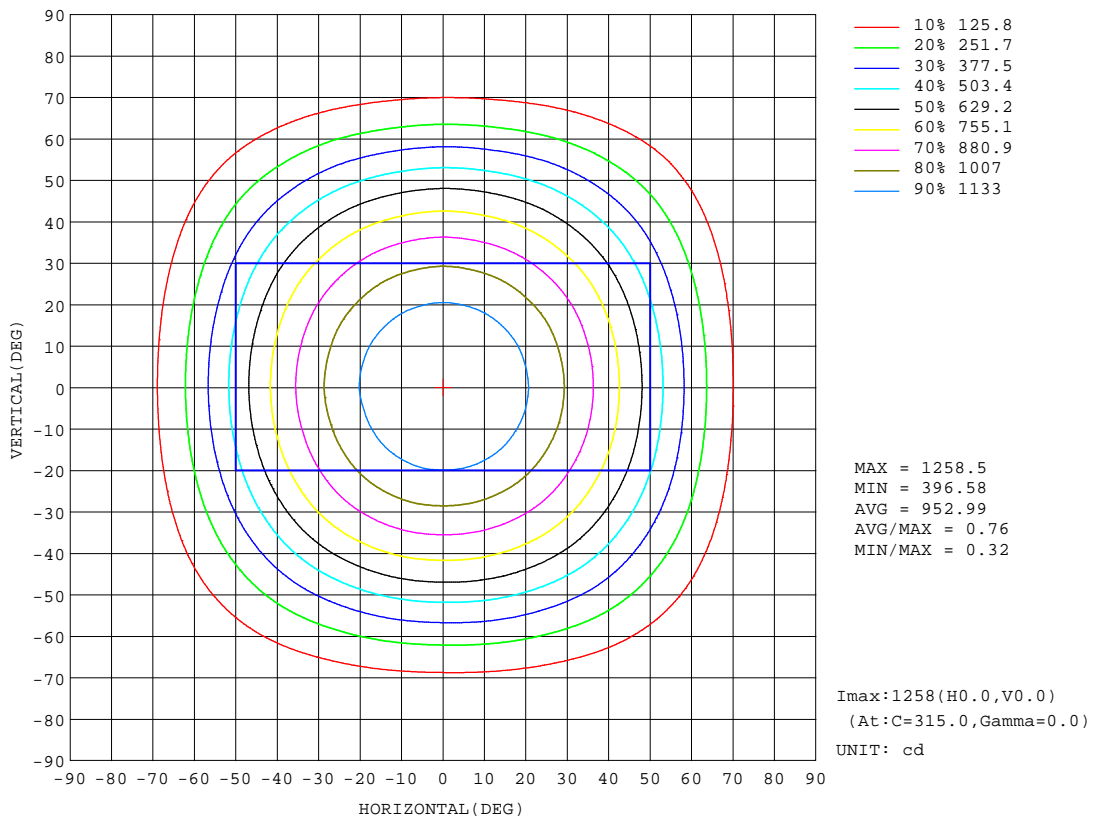
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	63	53	46	62	52	46	61	52	46	40
0.80	73	63	57	72	63	56	71	62	56	50
1.00	82	72	66	81	72	66	79	73	65	59
1.25	89	80	74	87	79	73	85	78	72	66
1.50	93	85	79	92	84	78	89	82	77	71
2.00	99	92	87	98	91	86	94	89	84	77
2.50	102	96	91	101	95	90	97	92	88	80
3.00	105	100	95	103	98	94	99	95	92	84
4.00	109	104	100	106	102	99	102	99	96	87
5.00	111	107	103	108	105	102	104	101	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: L  
 Test Date: 2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.1063]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:L  
 Test Date:2020-03-21

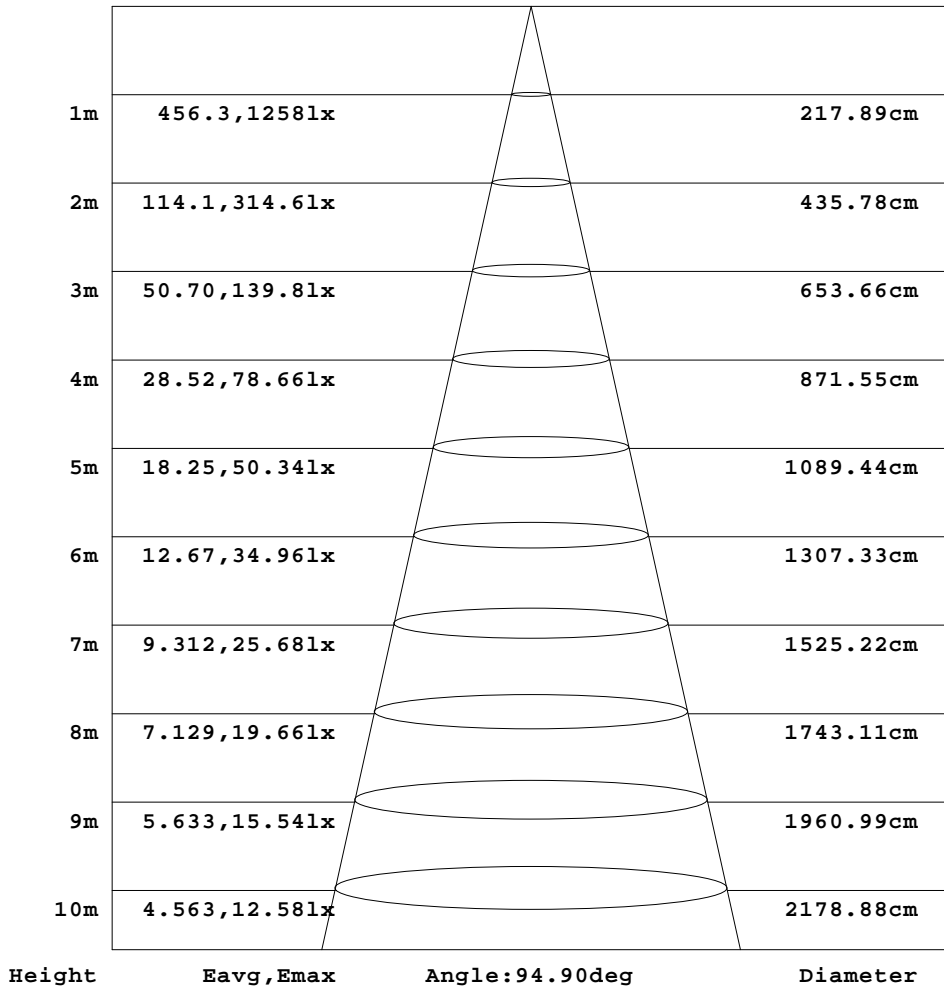
g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:



AAI Figure

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

Flux out:2036 lm



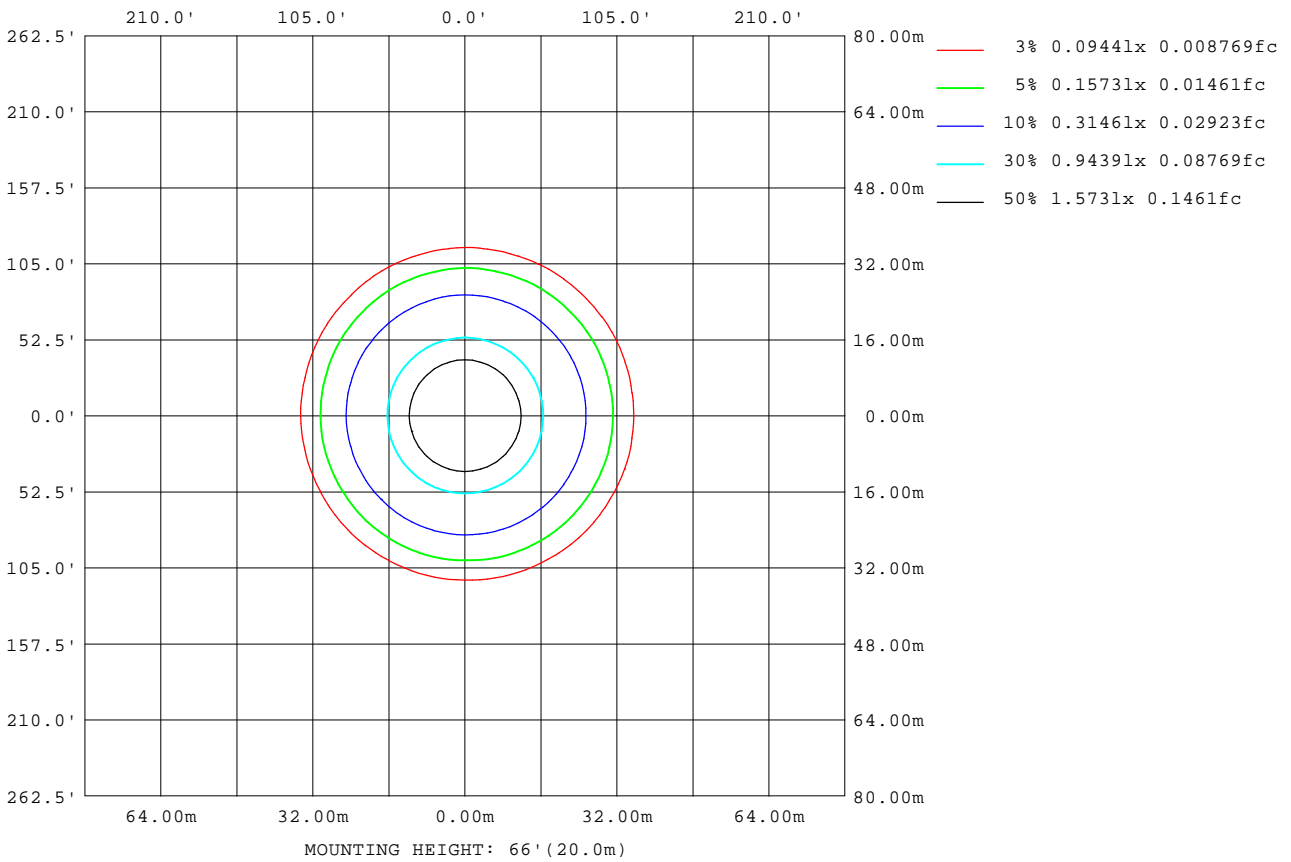
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:L  
 Test Date:2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: L  
 Test Date: 2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.1063]  
 Remarks:

LED Avg.L Report

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

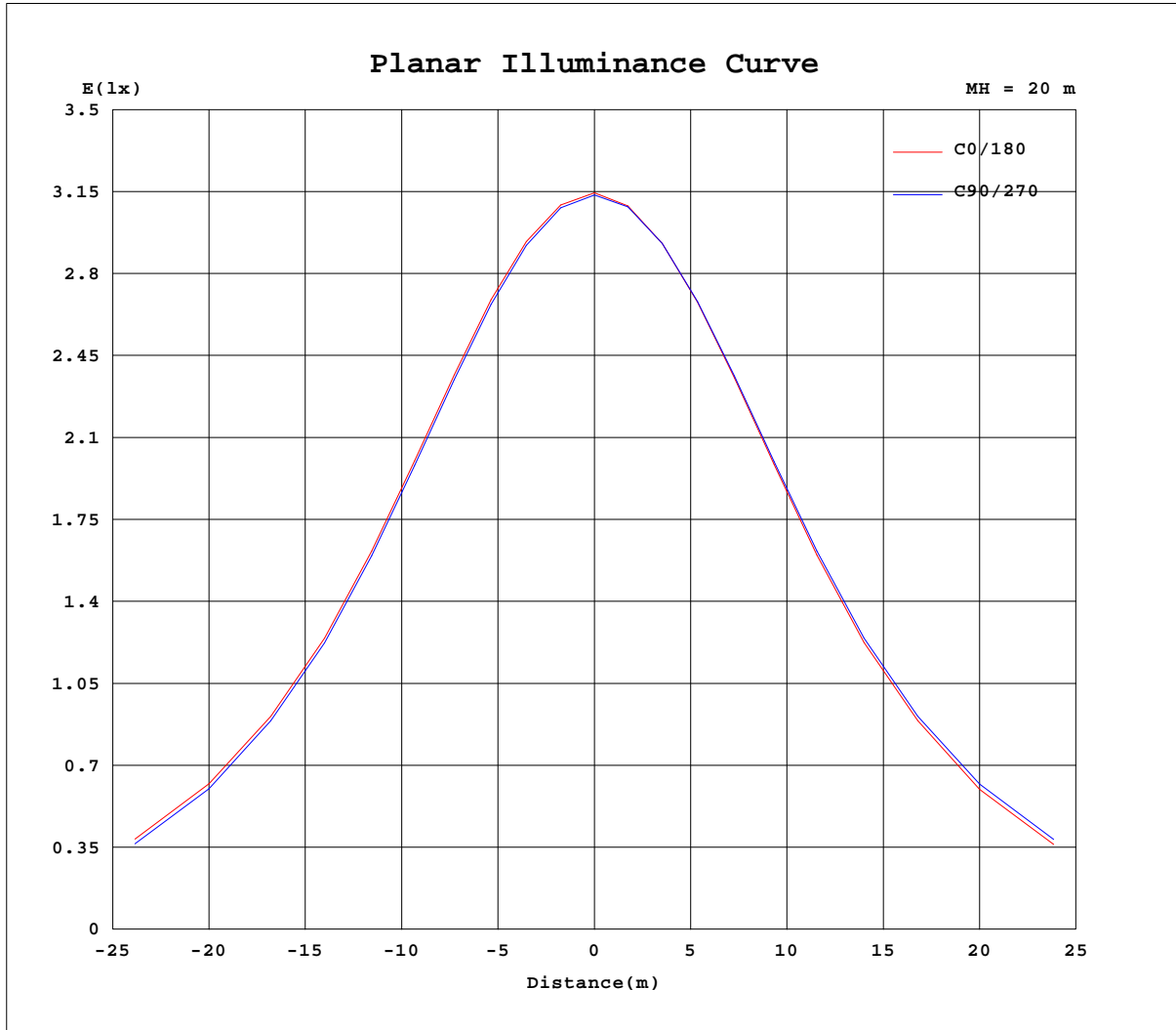
AvgL	cd/m2
L_0~180(65)av	16281
L_0~180(75)av	6918
L_0~180(85)av	4196
L_90~270(65)av	16114
L_90~270(75)av	6803
L_90~270(85)av	3421
L_45(65)av	16162
L_45(75)av	6825
L_45(85)av	3874

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:L  
 Test Date:2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: L  
 Test Date: 2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.1063]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256	1256
5	1249	1249	1249	1248	1248	1248	1247	1247	1247	1247	1247	1247	1247	1247	1248	1248	1248	1249	1249
10	1227	1227	1226	1226	1225	1225	1224	1225	1224	1224	1223	1223	1224	1224	1225	1225	1226	1226	1228
15	1191	1191	1189	1189	1187	1187	1186	1187	1186	1186	1185	1185	1186	1186	1188	1187	1189	1189	1191
20	1139	1138	1136	1136	1134	1134	1133	1134	1133	1133	1131	1131	1133	1133	1135	1136	1137	1138	1140
25	1072	1072	1069	1069	1067	1066	1065	1066	1065	1065	1063	1063	1065	1065	1068	1068	1071	1072	1075
30	993	992	989	989	986	985	984	985	984	984	981	981	983	983	988	988	992	992	996
35	904	902	899	898	895	894	891	892	891	890	887	887	890	891	895	897	901	902	906
40	808	807	804	803	799	797	794	795	792	792	789	789	792	793	798	800	805	807	811
45	702	700	695	694	688	686	680	680	676	676	672	673	676	678	685	688	695	698	704
50	581	579	573	570	563	559	552	550	546	545	541	542	546	550	559	563	571	575	581
55	455	452	446	442	434	428	420	418	414	413	410	412	417	420	429	434	442	446	454
60	333	332	323	320	310	305	297	296	292	292	290	293	296	299	307	310	320	322	331
65	221	219	212	208	201	197	191	190	187	187	186	189	192	194	200	202	209	212	218
70	127	124	119	116	111	109	105	105	103	104	103	105	107	109	112	114	118	121	125
75	58.1	56.6	54.1	52.6	50.2	49.0	47.3	47.4	47.0	47.4	47.2	48.2	49.3	49.9	52.1	52.7	55.0	55.9	58.4
80	26.8	26.5	25.7	25.2	24.1	23.5	22.7	22.9	23.0	23.4	23.5	23.9	24.1	24.5	25.2	25.4	26.0	26.2	26.8
85	11.6	11.4	10.4	9.79	8.59	8.01	7.34	7.76	8.06	8.92	9.34	10.1	10.4	10.6	10.9	10.7	10.7	10.4	10.5
90	0.77	0.73	0.76	0.76	0.76	0.77	0.78	0.78	0.78	0.79	0.82	0.79	0.67	0.67	0.64	0.64	0.61	0.61	0.59
95	1.03	1.05	1.07	1.09	1.09	1.13	1.14	1.14	1.14	1.14	1.14	1.14	0.98	0.96	0.95	0.93	0.92	0.89	0.88
100	1.45	1.47	1.49	1.51	1.53	1.54	1.57	1.56	1.57	1.58	1.57	1.58	1.38	1.35	1.34	1.32	1.30	1.27	1.26
105	1.92	1.93	1.96	1.98	2.01	2.03	2.05	2.04	2.06	2.05	2.07	2.05	1.85	1.81	1.81	1.79	1.76	1.74	1.73
110	2.48	2.48	2.52	2.52	2.56	2.58	2.61	2.60	2.62	2.60	2.62	2.62	2.35	2.33	2.31	2.29	2.27	2.24	2.23
115	3.07	3.08	3.11	3.11	3.16	3.17	3.21	3.20	3.21	3.20	3.21	3.21	2.92	2.90	2.87	2.85	2.82	2.81	2.80
120	3.69	3.69	3.71	3.73	3.77	3.77	3.83	3.78	3.81	3.80	3.80	3.80	3.52	3.48	3.44	3.43	3.40	3.38	3.37
125	4.31	4.31	4.33	4.35	4.38	4.38	4.44	4.40	4.42	4.41	4.41	4.41	4.09	4.05	4.03	4.02	3.98	3.96	3.96
130	4.90	4.92	4.92	4.93	4.95	4.97	5.02	4.97	4.98	4.99	5.00	5.00	4.68	4.64	4.60	4.59	4.56	4.55	4.55
135	5.48	5.49	5.49	5.51	5.52	5.55	5.62	5.55	5.55	5.54	5.56	5.56	5.23	5.20	5.13	5.12	5.09	5.11	5.12
140	6.05	6.05	6.06	6.05	6.07	6.11	6.17	6.10	6.09	6.07	6.11	6.12	5.76	5.72	5.69	5.64	5.61	5.63	5.65
145	6.59	6.59	6.59	6.59	6.63	6.65	6.72	6.64	6.62	6.60	6.65	6.65	6.30	6.24	6.22	6.17	6.14	6.15	6.19
150	7.10	7.10	7.13	7.12	7.18	7.20	7.24	7.18	7.16	7.14	7.18	7.16	6.81	6.77	6.77	6.74	6.70	6.70	6.72
155	7.60	7.61	7.64	7.66	7.69	7.71	7.75	7.67	7.65	7.65	7.68	7.65	7.35	7.32	7.32	7.33	7.28	7.29	7.30
160	8.10	8.13	8.15	8.18	8.20	8.23	8.23	8.15	8.15	8.14	8.16	8.14	7.87	7.85	7.84	7.86	7.83	7.83	7.84
165	8.58	8.60	8.59	8.62	8.66	8.69	8.67	8.62	8.60	8.58	8.58	8.59	8.38	8.36	8.33	8.33	8.34	8.36	8.38
170	8.95	8.94	8.96	8.99	9.04	9.06	9.03	8.96	8.95	8.95	8.96	8.95	8.78	8.79	8.78	8.76	8.74	8.76	8.80
175	9.20	9.20	9.24	9.29	9.31	9.27	9.24	9.22	9.22	9.25	9.24	9.19	9.09	9.10	9.13	9.12	9.08	9.08	9.08
180	9.31	9.32	9.34	9.37	9.34	9.31	9.30	9.30	9.34	9.36	9.34	9.33	9.32	9.31	9.34	9.37	9.33	9.30	9.30

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:L  
 Test Date:2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.83V I:0.2432A P:28.864W PF:0.9902 Freq:59.98Hz Lamp Flux:2736.88x1 lm		
NAME: LED DOWN LIGHT	TYPE: DOWN LIGHT	WEIGHT:
SPEC.: 5000K 30W	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.: 0.175*0.175	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	285	300	315	330	345														
0	1256	1256	1256	1256	1256														
5	1249	1249	1249	1250	1249														
10	1227	1228	1228	1229	1228														
15	1190	1191	1191	1192	1192														
20	1139	1140	1140	1141	1141														
25	1073	1074	1074	1076	1075														
30	994	995	995	997	995														
35	904	906	905	908	906														
40	809	811	810	813	811														
45	701	704	703	706	704														
50	581	583	583	586	584														
55	453	457	457	460	458														
60	329	335	333	338	335														
65	218	222	222	225	224														
70	125	127	128	130	129														
75	58.1	59.6	59.2	60.4	59.1														
80	26.8	27.4	27.4	27.6	27.2														
85	10.3	10.8	11.1	11.7	11.7														
90	0.58	0.58	0.59	0.61	0.64														
95	0.87	0.87	0.85	0.86	0.86														
100	1.26	1.25	1.24	1.24	1.23														
105	1.72	1.71	1.69	1.69	1.70														
110	2.22	2.20	2.20	2.19	2.21														
115	2.78	2.77	2.77	2.75	2.77														
120	3.37	3.35	3.35	3.34	3.36														
125	3.95	3.94	3.95	3.95	3.96														
130	4.54	4.53	4.53	4.52	4.55														
135	5.11	5.09	5.08	5.08	5.11														
140	5.65	5.61	5.60	5.61	5.65														
145	6.18	6.15	6.14	6.16	6.18														
150	6.73	6.71	6.71	6.70	6.70														
155	7.33	7.29	7.30	7.27	7.25														
160	7.88	7.86	7.87	7.82	7.81														
165	8.42	8.40	8.36	8.31	8.34														
170	8.85	8.83	8.80	8.77	8.76														
175	9.13	9.17	9.17	9.14	9.11														
180	9.30	9.33	9.36	9.34	9.33														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:L  
 Test Date:2020-03-21

g Range: 0 - 180DEG  
 g Interval: 5.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.426  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.1063]  
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